

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 25. (Cancelled)
26. (Previously Presented) A method of manufacturing a solid oxide fuel cell comprising:
  - a) arranging a plurality of longitudinally-extending combustible cores side-by-side in a transversely spaced cluster;
  - b) using one of electrophoretic deposition, metal electrodeposition and composite electrodeposition to deposit enough inner electrode material onto the cores that the outer periphery of the cluster is covered with the electrode material thereby forming a continuous inner electrode layer around the cluster and the spaces in between the cores are filled with the electrode material;
  - c) depositing electrolyte material onto the inner electrode layer to form an electrolyte layer;
  - d) sintering the layers such that the combustible cores combust and a reactant channel is formed inside the inner electrode layer from each combusted core; and
  - e) applying an outer electrode layer onto the electrolyte layer.
27. – 28. (Cancelled)
29. (Previously Presented) The method of claim 26 wherein the cores are arranged side-by-side in a single row.
30. (Original) The method of claim 26 wherein the outer electrode layer is deposited by electrophoretic deposition, and before the sintering step.
31. – 32 (Cancelled)

33. (Original) A method of manufacturing a solid oxide fuel cell stack comprising
- a) arranging a plurality of longitudinally-extending combustible cores side-by-side in a transversely spaced cluster;
  - b) forming a plurality of fuel cells by one of electrophoretically depositing, metal electrodepositing and composite electrodepositing inner electrode material onto each core to form an inner electrode layer, then depositing an electrolyte material onto each core to form an electrolyte layer, and applying sufficient outer electrode material onto each electrolyte layer that the outer electrode layer of each fuel cell is physically coupled to an electrode layer of an adjacent fuel cell,
  - c) sintering the layers such that the combustible cores combust, thereby forming an inner reactant channel for each fuel cell.
34. (Original) The method of claim 33 wherein the sintering step occurs after the electrolyte layer is deposited and before the outer electrode material is applied.
35. (Original) The method of claim 34 wherein the outer electrode layer is applied by one of dip-coating and brush-painting.
36. (Original) The method of claim 33 wherein the outer electrode material is applied onto the electrolyte layers by electrophoretic deposition, and the sintering step occurs after the outer electrode material is applied.
37. (Original) The method of claim 33 wherein after the inner electrode material and electrolyte material has been deposited, the cores are moved closer together before the outer electrode material is applied onto the electrolyte layers.
38. – 43. (Canceled)